



INVITATION TO BID NO: 10-R-2220291

STATE OF ALABAMA
DEPARTMENT OF FINANCE
DIVISION OF PURCHASING

INVITATION TO BID

REQ. AGENCY : 012036
ALDOT - 6TH DIV EQPT MAIN
AGENCY REQ. NO. : 609-061624
T-NUMBER :
DATE ISSUED : 07/14/10
VENDOR NO. :
VENDOR PHONE NO. :
SNAP REQ. NO. : 1443169
BUYER NAME : BERNIE ARANT

FOR: RETROFLECTOMETER

BUYER PHONE NO. : (334) 242-4201-
PURCHASING PHONE NO: (334) 242-7250

BID MUST BE RECEIVED BEFORE:
DATE: 08/04/10 TIME: 5:00 PM

BIDS WILL BE PUBLICLY OPENED:
DATE: 08/05/10 TIME: 10:00 AM

TO BE COMPLETED BY VENDOR

INFORMATION IN THIS SECTION SHOULD BE PROVIDED, AS APPROPRIATE. BID RESPONSE
MUST BE IN INK OR TYPED WITH ORIGINAL SIGNATURE AND NOTARIZATION.

1. DELIVERY: CAN BE MADE _____ DAYS OR _____ WEEKS AFTER RECEIPT OF ORDER
2. TERMS: _____(DISCOUNTS ARE TAKEN WITHOUT REGARD TO DATE OF PAYMENT.)
3. PRICE VALID FOR ACCEPTANCE WITHIN _____ DAYS.
4. VENDOR QUOTATION REFERENCE NUMBER, IF ANY: _____
(THIS NUMBER WILL APPEAR ON THE PURCHASE ORDER.)
5. E-MAIL ADDRESS: _____
INTERNET WEBSITE: _____
6. GENERAL CONTRACTOR'S LICENSE NO: _____
TYPE OF G.C. LICENSE: _____

***** IMPORTANT NOTE: *****

BIDDERS MUST COMPLY WITH ALL "BID RESPONSE INSTRUCTIONS" ON PAGE 2, TO INCLUDE
ITEM 7 - COPY REQUIREMENT.

RETURN INVITATION TO BID:

US MAIL

COURIER

STATE OF ALABAMA
DEPARTMENT OF FINANCE
DIVISION OF PURCHASING
P O BOX 302620
MONTGOMERY, AL 36130-2620

STATE OF ALABAMA
DIVISION OF PURCHASING
RSA UNION BUILDING
100 N. UNION ST., SUITE 192
MONTGOMERY, AL 36104

SIGNATURE AND NOTARIZATION REQUIRED

I HAVE READ THE ENTIRE BID AND AGREE TO FURNISH EACH ITEM OFFERED AT THE PRICE QUOTED.
I HERBY AFFIRM I HAVE NOT BEEN IN ANY AGREEMENT OR COLLUSION AMONG BIDDERS IN
RESTRAINT OF FREEDOM OF COMPETITION BY AGREEMENT TO BID AT A FIXED PRICE OR TO
REFRAIN FROM BIDDING.

SWORN TO AND

FEIN OR SSN

AUTHORIZED SIGNATURE (INK)

SUBSCRIBED BEFORE ME THIS

COMPANY NAME

TYPE/PRINT AUTHORIZED NAME

_____ DAY OF _____

MAIL ADDRESS

TITLE

NOTARY PUBLIC

CITY, STATE, ZIP

TOLL FREE NUMBER

TERM EXP: _____

PHONE INCLUDING AREA CODE

FAX NUMBER

STANDARD TERMS & CONDITIONS

VENDOR NAME :

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AUTHORITY:

THE DEPARTMENT OF FINANCE CODE OF ADMINISTRATIVE PROCEDURE, CHAPTER 355-4-1 EFFECTIVE DECEMBER 20, 2001 IS INCORPORATED BY REFERENCE AND MADE A PART OF THIS DOCUMENT. TO RECEIVE A COPY CALL (334)242-7250, OR OUR WEBSITE WWW.PURCHASING.ALABAMA.GOV .

INFORMATION AND ASSISTANCE TO MINORITY AND WOMEN-OWNED BUSINESSES IN ACQUIRING M/WBE CERTIFICATION MAY BE OBTAINED FROM THE OFFICE OF MINORITY BUSINESS ENTERPRISE, 1-800-447-4191.

BID (ITB) RESPONSE INSTRUCTIONS

REV: 01/14/10

1. TO SUBMIT A RESPONSIVE BID, READ THESE INSTRUCTIONS, ALL TERMS, CONDITIONS AND SPECIFICATIONS.
2. BID ENVELOPES/PACKAGES/BOXES MUST BE IDENTIFIED ON FRONT, PREFERABLY LOWER LEFT CORNER AND BE VISIBLE WITH THE BID NUMBER AND OPENING DATE. EACH INDIVIDUAL BID (IDENTIFIED BY A UNIQUE BID NUMBER) MUST BE SUBMITTED IN A SEPARATE ENVELOPE. RESPONSES TO MULTIPLE BID NUMBERS SUBMITTED IN THE SAME ENVELOPE/COURIER PACKAGE, THAT ARE NOT IN SEPARATE ENVELOPES PROPERLY IDENTIFIED, WILL BE REJECTED. THE DIVISION OF PURCHASING DOES NOT ASSUME RESPONSIBILITY FOR LATE BIDS FOR ANY REASON INCLUDING THOSE DUE TO POSTAL, OR COURIER SERVICE. BID RESPONSES MUST BE IN THE DIVISION OF PURCHASING OFFICE PRIOR TO THE "RECEIVE DATE AND TIME" INDICATED ON THE BID.
3. BID RESPONSES (PAGE 1, PRICE SHEET AND ADDENDUMS (WHEN SIGNATURE IS REQUIRED)) MUST BE IN INK OR TYPED ON THIS DOCUMENT. OR EXACT FORMAT WITH SIGNATURES BEING HANDWRITTEN ORIGINALS IN INK (PERSON SIGNING BID, NOTARY, AND NOTARY EXPIRATION), OR THE BID WILL BE REJECTED. UNLESS INDICATED IN THE BID, ALL PRICE PAGES MUST BE COMPLETED AND RETURNED. IF AN ITEM IS NOT BEING BID, IDENTIFY IT AS NB (NO-BID). PAGES SHOULD BE SECURED. THE DIVISION OF PURCHASING DOES NOT ASSUME RESPONSIBILITY FOR MISSING PAGES. FAXED BID RESPONSES WILL NOT BE ACCEPTED.
4. THE UNIT PRICE ALWAYS GOVERNS REGARDLESS OF THE EXTENDED AMOUNT. A UNIT PRICE CHANGE ON A LINE MUST BE INITIALED BY THE PERSON SIGNING THE BID, OR THAT LINE WILL BE REJECTED. THIS INCLUDES A CROSS-OUT, STRIKE-OVER, INK-OVER, WHITE-OUT, ERASURE, OR ANY OTHER METHOD CHANGING THE PRICE.
5. A "NO BID" MUST BE RETURNED TO REMAIN ON A CLASS/SUBCLASS. RETURN PAGE 1 OR NOTIFICATION PAGE MARKED "NO-BID". IDENTIFY IT ON THE ENVELOPE AS A "NO-BID". FAILING TO RESPOND TO 3 ITB'S WITHIN THE SAME CLASS/SUBCLASS WILL AUTOMATICALLY PURGE THE VENDOR FROM THAT CLASS/SUBCLASS. RESPONDING WITH 6 "NO-BIDS" WITHIN THE SAME CLASS/SUBCLASS WILL AUTOMATICALLY PURGE THE VENDOR FROM THAT CLASS/SUBCLASS. A "NO-BID" RECEIVED LATE IS CONSIDERED A NO RESPONSE.
6. THE DIVISION OF PURCHASING IS NOT RESPONSIBLE FOR MISINTERPRETATION OF DATA FAXED FROM THIS OFFICE.
7. THE DIVISION OF PURCHASING REQUIRES AN ORIGINAL AND A MINIMUM OF ONE COMPLETE EXACT COPY (TO INCLUDE SIGNATURE AND NOTARY) OF THE INVITATION-TO-BID RESPONSE. THE ORIGINAL AND THE COPY SHOULD BE SUBMITTED TOGETHER AS A BID PACKAGE. FAILURE TO MARK RESPONSES AS "ORIGINAL" AND/OR "COPY" COULD RESULT IN THE ENTIRE BID RESPONSE BEING REJECTED.
8. AN IMPROPERLY SUBMITTED BID, LATE BID, OR BID THAT IS CANCELLED ON OR BEFORE THE OPENING DATE WILL BE HELD FOR 90 DAYS AND THEN DESTROYED. THE BID MUST BE RETRIEVED DURING REGULAR WORK HOURS, MONDAY - FRIDAY, EXCEPT STATE HOLIDAYS. AFTER THE BID IS DESTROYED, THE DIVISION OF PURCHASING ASSUMES NO RESPONSIBILITY FOR THE DOCUMENT.

DISQUALIFIED/CANCELLED BID

BIDS THAT ARE IMPROPERLY SUBMITTED OR RECEIVED LATE WILL BE A RESPONSE FOR RECORD, BUT WILL NOT BE RETURNED OR A NOTIFICATION MAILED.

THE FOLLOWING IS A PARTIAL LIST WHEREBY A BID RESPONSE WILL BE DISQUALIFIED:

BID NUMBER NOT ON FACE OF ENVELOPE/COURIER PACKAGE/BOX
RESPONSES TO MULTIPLE BID NUMBERS IN SAME ENVELOPE NOT PROPERLY IDENTIFIED
BID RECEIVED LATE
BID NOT SIGNED/NOT ORIGINAL SIGNATURE
BID NOT NOTARIZED/NOT ORIGINAL SIGNATURE OF NOTARY AND/OR NO NOTARY EXPIRATION
NOTARIZED OWN SIGNATURE
REQUIRED INFORMATION NOT SUBMITTED WITH BID
FAILURE TO SUBMIT THE ORIGINAL BID AND A COMPLETE EXACT COPY

CERTIFICATION PURSUANT TO ACT NO. 2006-557

ALABAMA LAW (SECTION 41-4-116, CODE OF ALABAMA 1975) PROVIDES THAT EVERY BID SUBMITTED AND CONTRACT EXECUTED SHALL CONTAIN A CERTIFICATION THAT THE VENDOR, CONTRACTOR, AND ALL OF ITS AFFILIATES THAT MAKE SALES FOR DELIVERY INTO ALABAMA OR LEASES FOR USE IN ALABAMA ARE REGISTERED, COLLECTING, AND REMITTING ALABAMA STATE AND LOCAL SALES, USE, AND/OR LEASE TAX ON ALL TAXABLE SALES AND LEASES INTO ALABAMA. BY SUBMITTING THIS BID, THE BIDDER IS HEARBY CERTIFYING THAT THEY ARE IN FULL COMPLIANCE WITH ACT NO. 2006-557, THEY ARE NOT BARRED FROM BIDDING OR ENTERING INTO A CONTRACT PURSUANT TO 41-4-116, AND ACKNOWLEDGES THAT THE AWARDING AUTHORITY MAY DECLARE THE CONTRACT VOID IF THE CERTIFICATION IS FALSE.

SPECIAL TERMS & CONDITIONS

VENDOR NAME :

VENDOR NUMBER: -

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INVITATION TO BID

INTENT TO AWARD

EFFECTIVE MAY 1, 2008, THE STATE OF ALABAMA - DIVISION OF PURCHASING WILL ISSUE AN 'INTENT TO AWARD' BEFORE A FINAL AWARD IS MADE. THE 'INTENT TO AWARD' WILL CONTINUE FOR A PERIOD OF FIVE (5) CALENDAR DAYS, AFTER WHICH A PURCHASE ORDER WILL BE PRODUCED. UPON FINAL AWARD, ALL RIGHTS TO PROTEST ARE FORFEITED. A DETAILED EXPLANATION OF THIS PROCESS MAY BE REVIEWED IN THE ALABAMA ADMINISTRATIVE CODE - CHAPTER 355-4-1(14).

ALTERNATE BID RESPONSE

UNLESS STATED ELSEWHERE IN THIS INVITATION-TO-BID (ITB) THE STATE OF ALABAMA WILL ACCEPT AND EVALUATE ALTERNATE BID SUBMITTALS ON ANY ITB'S. ALTERNATE BID RESPONSES WILL BE EVALUATED ACCORDING TO THE REQUIREMENTS AS ALL OTHER RESPONSES TO THIS ITB.

INTERNET WEBSITE LINK'S

INTERNET AND/OR WEBSITE LINKS WILL NOT BE ACCEPTED IN BID RESPONSES AS A MEANS TO SUPPLY ANY REQUIREMENTS STATED IN THIS ITB (INVITATION-TO-BID).

PRODUCT DELIVERY, RECEIVING AND ACCEPTANCE

IN ACCORDANCE WITH THE UNIVERSAL COMMERCE CODE (CODE OF ALABAMA, TITLE 7), AFTER DELIVERY, THE STATE OF ALABAMA HAS THE RIGHT TO INSPECT ALL PRODUCTS BEFORE ACCEPTING. THE STATE WILL INSPECT PRODUCTS IN A REASONABLE TIMEFRAME. SIGNATURE ON A DELIVERY DOCUMENT DOES NOT CONSTITUTE ACCEPTANCE BY THE STATE. THE STATE WILL ACCEPT PRODUCTS ONLY AFTER SATISFACTORY INSPECTION.

SALES TAX EXEMPTION

PURSUANT TO THE CODE OF ALABAMA, 1975, TITLE 40-23-4 (A) (11), THE STATE OF ALABAMA IS EXEMPT FROM PAYING SALES TAX. AN EXEMPTION LETTER WILL BE FURNISHED UPON REQUEST.

INVOICES

INQUIRIES CONCERNING PAYMENT AFTER INVOICES HAVE BEEN SUBMITTED ARE TO BE DIRECTED TO THE RECEIVING AGENCY, NOT THE DIVISION OF PURCHASING

BID RESPONSES AND BID RESULTS

UNEVALUATED BID RESPONSES (NOT BID RESULTS) ARE AVAILABLE ON OUR WEB SITE AT WWW.PURCHASING.ALABAMA.GOV. BID RESULTS WILL BE MADE AVAILABLE FOR REVIEW IN THE DIVISION OF PURCHASING OFFICE, BUT ONLY AFTER THE BID HAS BEEN AWARDED. WE DO NOT FAX OR MAIL COPIES OF BID RESULTS. IF A VENDOR WISHES TO REVIEW BID RESULTS IN OUR OFFICE, THEY SHOULD FAX THEIR REQUEST TO REVIEW THE BID TWO DAYS IN ADVANCE TO THE "BID REVIEW CLERK" AT (334) 242-4419. BE SURE TO REFERENCE THE BID NUMBER.

FOREIGN CORPORATION - CERTIFICATE OF AUTHORITY

ALABAMA LAW PROVIDES THAT A FOREIGN CORPORATION (AN OUT-OF-STATE COMPANY/FIRM) MAY NOT TRANSACT BUSINESS IN THE STATE OF ALABAMA UNTIL IT OBTAINS A CERTIFICATE OF AUTHORITY FROM THE SECRETARY OF STATE. SECTION 10-2B-15.01, CODE OF ALABAMA 1975. TO OBTAIN FORMS FOR A CERTIFICATE OF AUTHORITY, CONTACT THE SECRETARY OF STATE, CORPORATIONS DIVISION, (334) 242-5324. THE CERTIFICATE OF AUTHORITY DOES NOT KEEP THE VENDOR FROM SUBMITTING A BID.

BID IDENTIFICATION

REFERENCE PAGE 2, ITEM 2. DUE TO THE POSTAL SERVICE PUTTING BAR CODE LABELS ON ENVELOPES, IT CONCEALS THE BID NUMBER AND DATE IF THE VENDOR HAS WRITTEN THEM OTHER THAN THE LOWER LEFT CORNER, THEREFORE THE BID WOULD BE REJECTED FOR NOT BEING PROPERLY IDENTIFIED.

SPECIAL TERMS & CONDITIONS

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AWARD:

AWARD WILL BE MADE "ALL OR NONE" TO THE LOWEST RESPONSIBLE BIDDER
MEETING ALL SPECIFICATIONS.

FREIGHT:

BID IS F.O.B. DESTINATION. ANY FREIGHT CHARGES MUST BE INCLUDED IN
THE BID PRICES.

PRICE SHEET

VENDOR NAME :

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INVITATION TO BID

OPEN DATE : 08/05/10 TIME: 10:00 AM

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LINE NO.	COMMODITY/SERVICE DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENDED AMOUNT
UNLESS SPECIFIED OTHERWISE BELOW: SHIP TO: 012036 / 012M01 ALDOT - 6TH DIV EQPT MAIN EQUIP MAINT SUPERT 660 CHISOLM STREET MONTGOMERY AL 36130					
00001	COMMODITY CODE: 490-40-081843 RETROFLECTOMETER	1	EA		
DELTA INSTRUMENTS LTL-X RETROFLECTOMETER (OR EQUAL) PER SPECIFICATIONS PROVIDED.					

PAGE TOTAL

BID TOTAL

**SPECIFICATION FOR RETROREFLECTOMETER
FOR DETERMINING THE COEFFICIENT OF
RETROREFLECTED LUMINANCE OF PAVEMENT MARKINGS**

1. MEASUREMENT PARAMETERS:

1.1. Observation Angle: The retroreflectometer should be constructed to simulate the driver observation angle found at a 30 meter distance from the marking in accordance with ASTM E 1710.

1.1.1. Entrance angle of 88.76 degrees.

1.1.2. Observation angle of 1.05 degrees.

1.2. Working Range: The instrument shall have a working range of 0 to 2000 mcd/m²/lx.

1.3. Marking Conditions: The instrument shall be capable of measuring retroreflectivity on plane (flat) and profiled (textured) markings under both wet and dry conditions. The instrument shall be capable of compensating for stray light allowing for full daylight measurements.

1.4. Depth Ability – Profiled Markings: The instrument shall have a depth ability which enables the instrument to accurately measure profiled pavement markings in accordance with ASTM E 1710 with a profile height/depth of up to 0.55 in. (14 mm).

1.5. Illumination and Detection: The instrument shall use a system response illuminant Type “A” and CIE observer sensitivity.

1.6. Measurement: The instrument measurement shall include the following data: Retroreflectivity (R_1); GPS coordinates of measurement location with number of useable satellites, horizontal dilution of precision, and fix/no fix; date and time; averaging data with series size and series count; marking icon; series ID; user ID.

1.7. Positioning Data: The instrument shall include the following GPS capabilities:

1.7.1. The coordinates of the location of the instrument shall be recorded with each measurement of retroreflectivity.

1.7.2. The instrument will measure, display and record, along with the position coordinates, the number of satellites used to determine such coordinates for each reading and the horizontal dilution of precision.

1.7.3. The GPS receiver must receive all operational power from an internal supply source.

1.7.4. The GPS shall be contained wholly within the retroreflectometer housing.

1.7.5. The accuracy of the GPS data under optimal conditions shall be 6.5 feet (2.0 m) CEP.

1.8. Measurement Fields: The instrument shall utilize an observation field that is larger than the illumination field such that the illumination field is wholly contained in the observation field which is 200mm (7.88-in) X 45mm (1.77-in). The instrument shall

cover the measurement field so that the effects of ambient light variations are minimized.

2. CALIBRATION / ACCURACY

The instrument shall be supplied with two calibration standards as described below:

- 2.1. Field Calibration: The instrument shall be supplied with a working reflection standard and a base plate containing a light trap for field calibration.
- 2.2. Traceable Calibration: The instrument shall be supplied with a calibrated reflection standard that is traceable to an accredited national standards laboratory through an ISO 17025 certified testing and calibration laboratory. A certificate of conformance and traceability shall also be supplied with the traceable calibration reflection standard.
- 2.3. Calibration Standards: Both of the calibration standards shall be made of a durable diffuse reflector without glass beads that is uniform and consistent across the whole reflector.
- 2.4. Stray Light Compensation: The instrument shall actively detect for and compensate for the normal level of stray light present as part of each retroreflectivity measurement.
- 2.5. Color Correction: The instrument shall be internally color corrected to allow measurement of various colored markings without requiring recalibration using colored reflection standards. The color correction shall comply with ASTM E 1710 section 6.3.2 for selected filters.
- 2.6. Repeatability
 - 2.6.1. The repeatability of measurements taken with the instrument shall be within 2%.
- 2.7. Reproducibility
 - 2.7.1. The reproducibility of measurements taken with the instrument shall be within 5%.

3. CONSTRUCTION:

- 3.1. Basic Construction: The instrument shall be constructed with an internal metal frame to which the illumination and observation sources shall be mounted in order to maintain a fixed geometry. The instrument shall have an external shell made of impact-resistant plastic.
- 3.2. Wheels: The instrument shall come with semi-permanent wheels.
- 3.3. Portability: The instrument shall be completely self-contained with no external battery packs or electronic components. The handle assembly must be retractable to the instrument body when not in use.

- 3.4. Dimensions: The instrument's physical dimensions, excluding any detachable, folding or extending parts, shall be 22.6 in. (573 mm) long; 8.7 in. (222 mm) wide; 21.2 in. (538 mm) high.
- 3.5. Power Source: The instrument shall be powered by a nickel metal hydride battery (NiMH). The battery shall be semi-permanently mounted internal to the machine.
- 3.6. Electronics Shielding: The instrument shall comply with FCC-CFR47 part 15 class to be fully shielded to eliminate external electromagnetic interference with its performance and block internal electromagnetic radiation.
- 3.7. Optics: The optics of the instrument shall be fixed within the aluminum frame, totally enclosed and protected by a sealed glass window.
- 3.8. Display Shield: The instrument shall be provided with a retractable shield that will protect the display when the unit is not in use. The shield will be fabricated with aluminum in such a manner as to cover the display to its furthest extent.

4. USE AND CONTROL:

- 4.1. Keyboard: Use of the instrument shall be through the use of programmed control buttons, directional navigation buttons, and a liquid crystal display.
- 4.2. Ease of Use: The unit shall have an ergonomic handle/interface design which will afford the user a single-handed operation.
- 4.3. Timing: The instrument shall be able to take a single measurement in less than 0.5 seconds and have a maximum required time between measurements of 2 seconds.
- 4.4. Data Storage: The instrument shall utilize internal non-volatile memory for storing measurement data. The instrument shall be capable of collecting 1500 measurements with a fully-charged battery. The GPS data shall be stored internally along with each retroreflectivity measurement. Each stored measurement must be identifiable by a series identifier, user identifier, and a marking type icon.
- 4.5. Data Output: The instrument shall contain a built-in thermal printer capable of providing a paper printout of individual measurement and averaging details or stored measurements. The instrument shall be equipped with a serial interface port to allow for software compatible data output, extended control, calibration and diagnostics. The GPS data shall be shown on the display screen and printed out with the individual measurement.
- 4.6. Internal Error Detection: The instrument must indicate on the display, printout, and data log whenever detectable errors exist, such as excessive stray light, low battery or incorrect calibration.
- 4.7. GPS Fix: The instrument during normal use must advise the operator if the GPS fails to have a fix when a reading is taken. The operator shall be given the options of: (a) taking the measurement anyway, (b) not taking the measurement, (c) turning off the GPS function.

5. EQUIPMENT

- 5.1. Standard Accessories: The instrument shall be equipped complete with a user's manual, quick guide, battery charger, battery, carrying case with wheels, printer paper, wheel assembly, interface software, communications cable, working reflection standard and a calibrated master reflection standard.

6. TECHNICAL SUPPORT & SERVICE

- 6.1. Training: The manufacturer and/or authorized representative shall provide training and/or technical service as required by the purchaser or his appointed representative. The successful bidder must provide no less than three hours of on-site training within two weeks of receipt of the instrument(s), or at a time requested by the purchaser or his appointed representative.

- 6.2. Factory Services: The instrument must have a factory certified maintenance program available for yearly service checks to verify instrument performance and reference standard condition.

7. WARRANTY

- 7.1. Warranty Period: The instrument shall be warranted for a period of one year against defective parts and workmanship.